



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)  
BOARD AND CODE ADMINISTRATION DIVISION

## NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY, FLORIDA  
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208  
T (786) 315-2590 F (786) 315-2599

[www.miamidade.gov/economy](http://www.miamidade.gov/economy)

**Vertech Fenexpert, Inc.**

**4275 Grande-Allee**

**Boisbriand, Quebec, J7H 1M7 Canada**

### SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

### DESCRIPTION: Series "5200" Aluminum Window Wall System – L.M.I.

**APPROVAL DOCUMENT:** Drawing No. **5200\_FIX-LMI**, titled "5200 Series Aluminum Window Wall System (L.M.I.)", sheets 1 through 9 of 9, dated 04/15/10, prepared by Bromley-Cook Engineering, Inc. signed and sealed by William D. Cook, P.E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Section.

### MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Manuel Perez, P.E.**



*MP*  
10/24/12

NOA No. 11-0525.01

Expiration Date: November 01, 2017

Approval Date: November 01, 2012

Page 1

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No. **5200\_FIX-LMI**, titled: "5200 Series Aluminum Window Wall System (L.M.I.)", sheets 1 through 9 of 9, dated 04/15/10, prepared by Bromley-Cook Engineering, Inc. signed and sealed by William D. Cook, P.E.

**B. TESTS**

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94  
3) Water Resistance Test, per FBC, TAS 202-94  
4) Large Missile Impact Test per FBC, TAS 201-94  
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with marked-up drawings and installation diagram of series 5200 aluminum fixed window wall system, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-6080**, dated 11/13/09, signed and sealed by Michael R. Wenzel, P.E.

**C. CALCULATIONS:**

1. Anchor verification calculations and structural analysis, complying with FBC-2007, dated 01/27/11, prepared by Bromley-Cook Engineering, Inc., signed and sealed by William D. Cook, P.E.
2. Glazing complies with ASTM E1300-04

**D. QUALITY ASSURANCE**

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

**E. MATERIAL CERTIFICATIONS**


1. Notice of Acceptance No. **11-1102.09** issued to **Solutia, Inc.** for their "**Saflex CP – Saflex and Saflex HP Composites Glass Interlayers with PET Core**" dated 06/14/12, expiring on 12/11/13.
2. Notice of Acceptance No. **11-0624.01** issued to **E.I. DuPont DeNemours & Co., Inc.** for their "**DuPont Butacite® PVB Interlayer**" dated 09/08/11, expiring on 12/11/16.

**F. STATEMENTS**

1. Statement letter of conformance, complying with FBC-2010, dated 01/27/11, signed and sealed by William D. Cook, P.E.
2. Statement letter of no financial interest, dated 01/27/11, signed and sealed by William D. Cook, P.E.
3. Distributor Agreement document in conformance to RER guidelines dated September 30, 2009, signed by Martin Bergeron and Ivan S. Girard.
4. Proposal No. **09-1097** issued by BNC, dated August 12, 2009, signed by Ishaq Chanda, P. E.

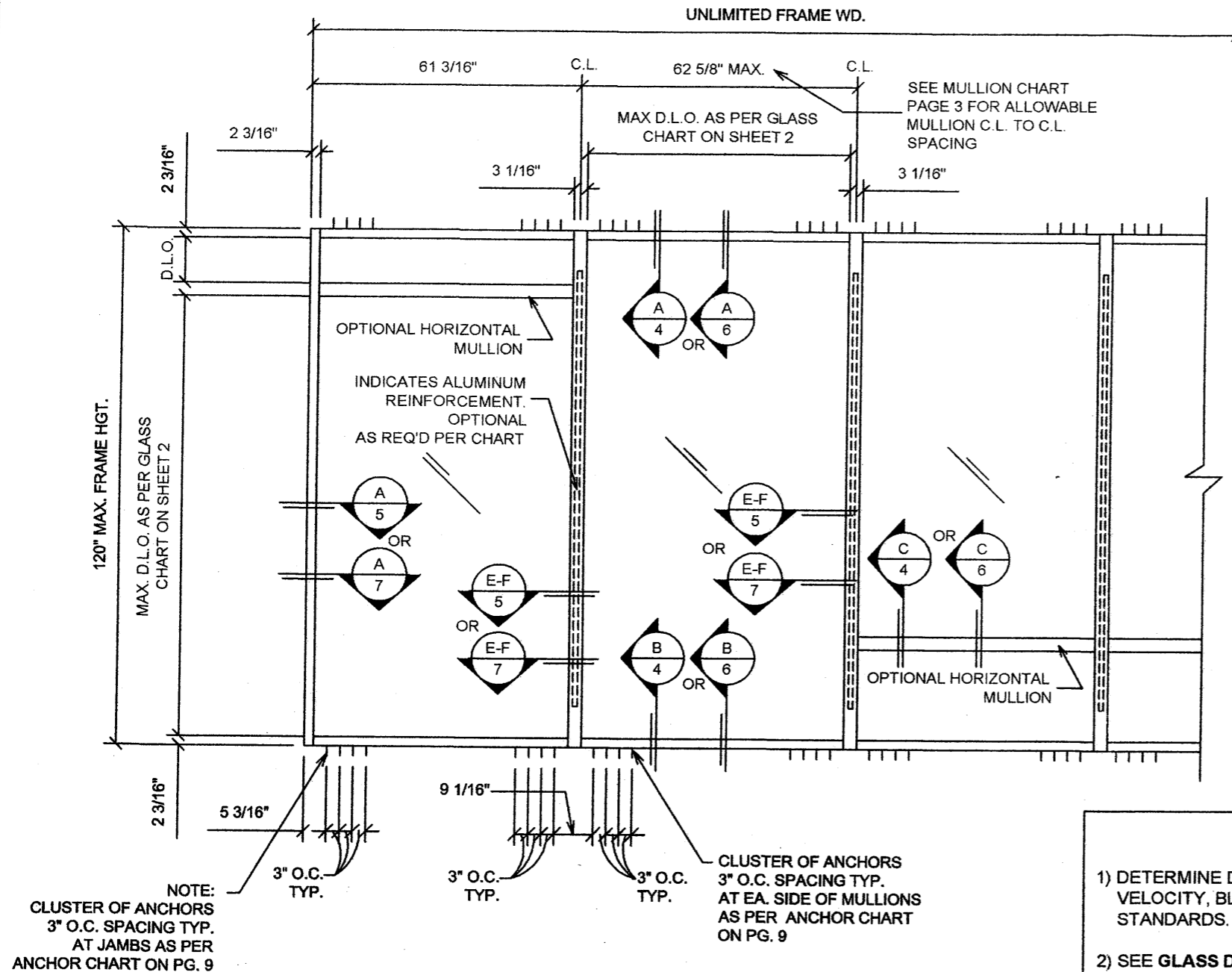
**G. OTHERS**

1. None.

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 11-0525.01

Expiration Date: November 01, 2017  
Approval Date: November 01, 2012

# 5200 SERIES ALUMINIUM FIXED WINDOW WALL SYSTEM (LARGE MISSILE IMPACT)



## GENERAL NOTES:

- 1) THIS PRODUCT HAS BEEN DESIGNED AND MANUFACTURED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 2010, INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
- 2) WOOD BUCK OR STRUCTURAL SUBSTRATE TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. BUCK OR FRAMING IS RESPONSIBILITY OF ARCHITECT/ENGINEER OF RECORD.
- 3) SHUTTERS ARE NOT REQUIRED WITH THIS PRODUCT.
- 4) ONE-THIRD (33%) INCREASE IN ALLOWABLE STRESS FOR WINDLOAD DESIGN NOT USED. INCREASE USED FOR ANCHORS INTO WOOD.

Approved as complying with the  
Florida Building Code  
Date NOV. 1, 2012  
NOA# 11-0525.01  
Miami Dade Product Control  
By Maurice Perez

## INSTRUCTIONS:

- 1) DETERMINE DESIGN WIND LOAD REQUIREMENT BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE. USING APPLICABLE ASCE 7 STANDARDS.
- 2) SEE GLASS DESIGN LOAD CHART ON PAGE 2 FOR DESIGN LOAD CAPACITY OF DESIRED GLASS TYPE AND SIZE. GLASS DESIGN LOAD CAPACITY SHOULD EQUAL OR EXCEED THE DESIGN LOAD REQUIREMENT DETERMINED IN STEP 1.
- 3) CHECK MULLION CAPACITY FOR GIVEN SPACING (FRAME SIZE WIDTH "W") AND MULLION HEIGHT (FRAME SIZE LENGTH "L") USING THE MULLION DESIGN LOAD CHART ON PAGE 3. MULLION DESIGN LOAD CAPACITY SHOULD EQUAL OR EXCEED THE DESIGN LOAD REQUIREMENT DETERMINED IN STEP 1.
- 4) USING THE ANCHOR CLUSTER LOAD CHART ON PAGE 9, SELECT ANCHOR OPTION WITH DESIGN LOAD RATING EQUAL TO OR GREATER THAN THE DESIGN LOAD REQUIREMENT DETERMINED IN STEP 1.
- 5) LOWEST DESIGN LOAD OBTAINED FROM STEPS 2, 3 AND 4 SHALL GOVERN FOR THE ENTIRE FRAME.

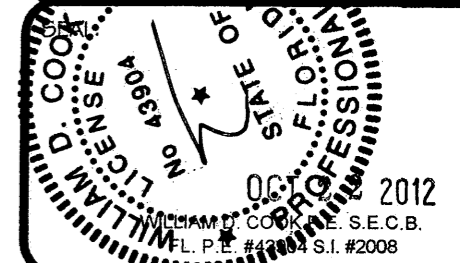


CANADA  
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ENGINEER:

**BROMLEY · COOK ENGINEERING, INC.**  
STRUCTURAL ENGINEERING SERVICES  
5440 N.W. 33rd AVENUE

FLORIDA LICENSE #100  
FOR PROFESSIONAL ENGINEER, FL 33309  
TEL: (954) 772-4634 FAX: (954) 772-4634



REVISIONS:

| NO. | DATE: | DESCRIPTION: | BY: |
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PROJECT:

**5200 SERIES ALUMINUM  
WINDOW WALL SYSTEM (L.M.I.)**

TITLE:

**ELEVATION & GENERAL NOTES**

|                  |                          |
|------------------|--------------------------|
| DRAWN BY:<br>MG  | VERIFY BY:               |
| DATE:<br>4/15/10 | DWG. NO.<br>5200_FIX-LMI |
| SCALE:<br>N/A    | SHEET NO.<br>1 OF 9      |

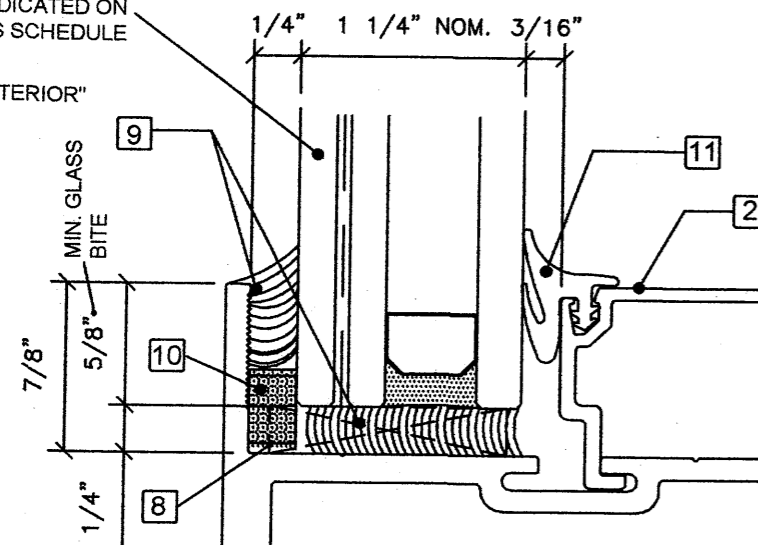
# GLASS DESIGN LOAD CHART - PSF

| GLASS D.L.O. |            | LAMINATED   |         |             |         | INSULATED/ LAMINATED |         |             |         |
|--------------|------------|-------------|---------|-------------|---------|----------------------|---------|-------------|---------|
|              |            | TYPE - "G1" |         | TYPE - "G2" |         | TYPE - "G3"          |         | TYPE - "G4" |         |
| WIDTH (W)    | LENGTH (L) | EXT (+)     | INT (-) | EXT (+)     | INT (-) | EXT (+)              | INT (-) | EXT (+)     | INT (-) |
| 24"          | 72"        | 130         | 130     | 80          | 80      | 130                  | 130     | 100         | 100     |
| 36"          |            |             |         |             |         |                      |         |             |         |
| 48"          |            |             |         |             |         |                      |         |             |         |
| 54"          |            |             |         |             |         |                      |         |             |         |
| 56 1/2"      |            |             |         |             |         |                      |         |             |         |
| 36"          | 84"        |             |         |             |         |                      |         |             |         |
| 48"          |            |             |         |             |         |                      |         |             |         |
| 54"          |            |             |         |             |         |                      |         |             |         |
| 56 1/2"      |            |             |         |             |         |                      |         |             |         |
| 40"          | 98 5/8"    |             |         |             |         | 130                  | 130     |             |         |
| 44"          |            |             |         |             |         | 125                  | 125     |             |         |
| 48"          |            | 130         | 130     |             |         | 115                  | 115     |             |         |
| 52"          |            | 129         | 129     |             |         | 109                  | 109     |             |         |
| 56 1/2"      |            | 120         | 120     | 80          | 80      | 106                  | 106     |             |         |
| 24"          |            | 100         | 100     |             |         | 100                  | 100     |             |         |
| 36"          | 103 11/16" |             |         |             |         |                      |         |             |         |
| 40"          |            |             |         |             |         |                      |         |             |         |
| 44 1/2"      |            | 100         | 100     |             |         | 100                  | 100     | 100         | 100     |

NOTE: GLASS LOADS BASED ON TESTING AND ASTM E1300-04

INSULATED/LAMINATED  
GLASS AS INDICATED ON  
GLASS SCHEDULE

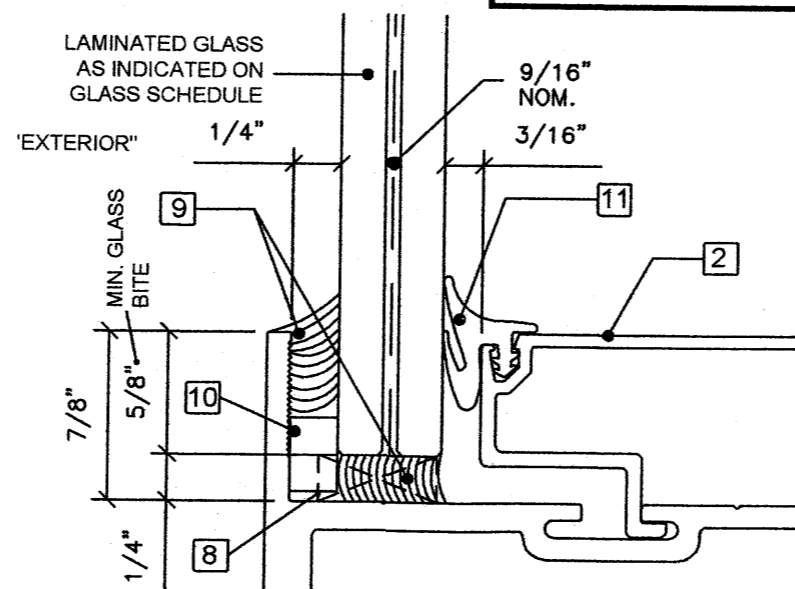
'EXTERIOR'



G3 & G4 TYPICAL INSULATED GLAZING DETAIL  
1 1/4" NOM. THICK GLASS

LAMINATED GLASS  
AS INDICATED ON  
GLASS SCHEDULE

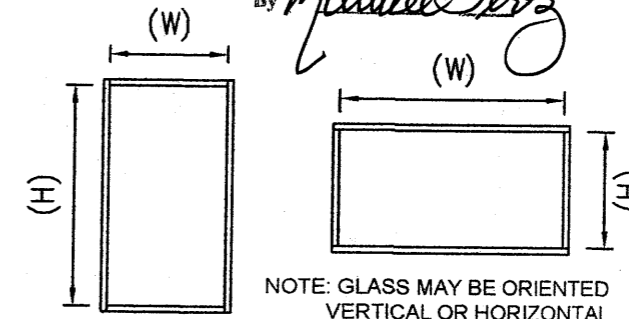
'EXTERIOR'



G1 & G2 TYPICAL LAMINATED GLAZING DETAIL  
9/16" NOM. THICK GLASS

Approved as complying with the  
Florida Building Code  
Date Nov. 1, 2012  
NOA# 11-0525.01  
Miami Dade Product Control

By Manuel Perez



WATER INFILTRATION MAX.  
+ 22.5 PSF

## GLAZING OPTIONS:

### G1: 9/16" LAMINATED:

1/4" HEAT STRENGTHENED GLASS -  
.075" VANCEVA COMPOSITE INTERLAYER -  
1/4" HEAT STRENGTHENED GLASS.  
(VANCEVA COMPOSITE INTERLAYER BY "SOLUTIA")

### G2: 9/16" LAMINATED:

1/4" HEAT STRENGTHENED GLASS -  
.090" PVB INTERLAYER-1/4" HEAT STRENGTHENED GLASS  
(PVB BUTACITE INTERLAYER BY "DUPONT")

### G3: 1 1/4" INSULATED/LAMINATED GLASS:

1/4" HEAT STRENGTHENED GLASS -  
0.075" VANCEVA COMPOSITE INTERLAYER -  
3/16" HEAT STRENGTHENED GLASS-  
1/2" STAINLESS STEEL SPACER -  
3/16" FULLY TEMPERED GLASS  
(VANCEVA COMPOSITE INTERLAYER BY "SOLUTIA")

### G4: 1 1/4" INSULATED/LAMINATED GLASS:

3/16" HEAT STRENGTHENED GLASS -  
0.075 VANCEVA COMPOSITE INTERLAYER -  
3/16" HEAT STRENGTHENED GLASS-  
1/2" STAINLESS STEEL SPACER -  
1/4" FULLY TEMPERED GLASS  
(VANCEVA COMPOSITE INTERLAYER BY "SOLUTIA")



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ENGINEER:

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5440 N.W. 33rd AVENUE

PROFESSIONAL ENGINEER  
No. 43904  
FLORIDA  
OCTOBER 12, 2008



REVISIONS:

| NO. | DATE: | DESCRIPTION: | BY: |
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PROJECT:

5200 SERIES ALUMINUM  
WINDOW WALL SYSTEM (L.M.I.)

TITLE:

GLASS LOAD CHART &  
GLAZING DETAILS

DRAWN BY:

MG

VERIFY BY:

DATE:

4/15/10

DWG. NO.

5200\_FIX-LMI

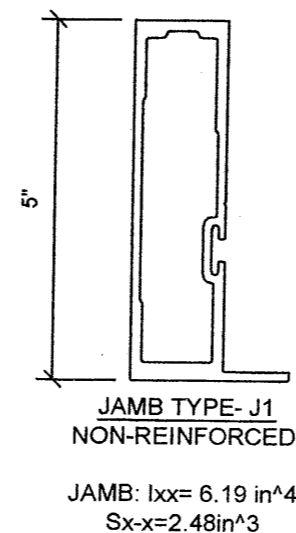
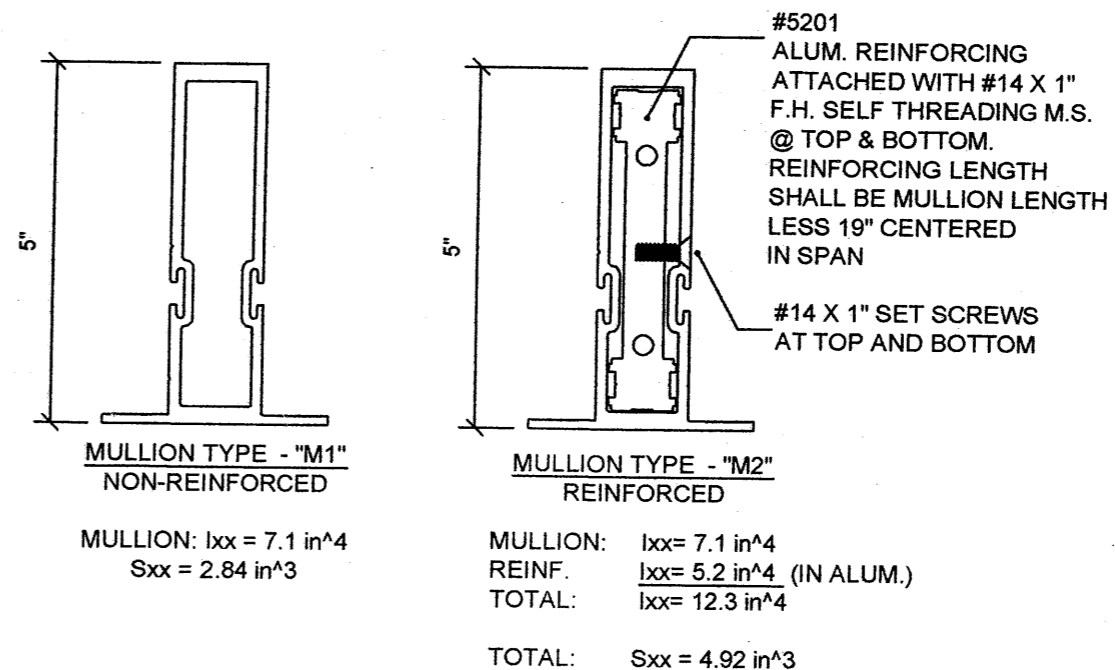
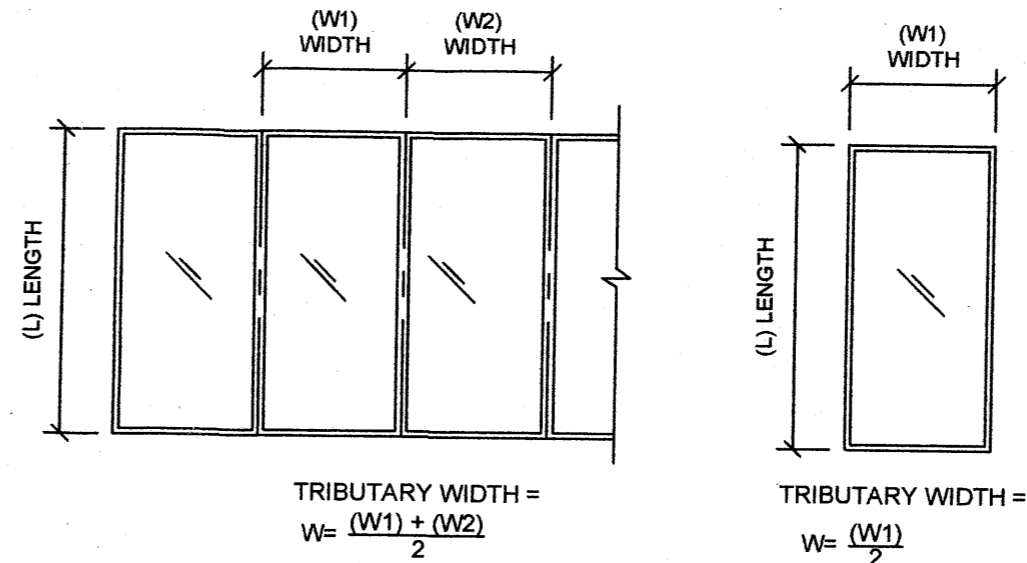
SCALE:

N/A

SHEET NO.

2 OF 9

| MULLION DESIGN LOAD CHART - PSF |            |                |         |             |         |                |         |
|---------------------------------|------------|----------------|---------|-------------|---------|----------------|---------|
| FRAME SIZE                      |            | TYPE - "M1"    |         | TYPE - "M2" |         | TYPE - "J1"    |         |
|                                 |            | NON-REINFORCED |         | REINFORCED  |         | NON-REINFORCED |         |
| WIDTH (W)                       | LENGTH (L) | EXT (+)        | INT (-) | EXT (+)     | INT (-) | EXT (+)        | INT (-) |
| 36"                             | 60"        | 100            | 100     | 130         | 130     | 130            | 130     |
| 48"                             |            |                |         |             |         |                |         |
| 54"                             |            |                |         |             |         |                |         |
| 60"                             |            |                |         |             |         |                |         |
| 36"                             | 72"        |                |         |             |         |                |         |
| 48"                             |            |                |         |             |         |                |         |
| 54"                             |            |                |         |             |         |                |         |
| 60"                             |            |                |         |             |         |                |         |
| 36"                             | 84"        |                |         |             |         |                |         |
| 48"                             |            |                |         |             |         |                |         |
| 54"                             |            |                |         |             |         |                |         |
| 60"                             |            |                |         |             |         |                |         |
| 36"                             | 96"        | 100            | 100     |             |         |                |         |
| 48"                             |            | 92             | 92      |             |         |                |         |
| 54"                             |            | 82             | 82      |             |         |                |         |
| 60"                             |            |                |         |             |         |                |         |
| 36"                             | 103"       | 100            | 100     |             |         |                |         |
| 48"                             |            | 83             | 83      | 130         | 130     |                |         |
| 54"                             |            | 74             | 74      | 128         | 128     |                |         |
| 60"                             |            | 67             | 67      | 115         | 115     |                |         |
| 36"                             | 108"       |                |         | 130         | 130     |                |         |
| 42"                             |            |                |         | 130         | 130     |                |         |
| 48"                             |            |                |         | 125         | 125     |                |         |
| 36"                             | 120"       |                |         | 121         | 121     | 130            | 130     |
| 42"                             |            |                |         | 104         | 104     | 120            | 120     |
| 48"                             |            |                |         | 91          | 91      | 105            | 105     |

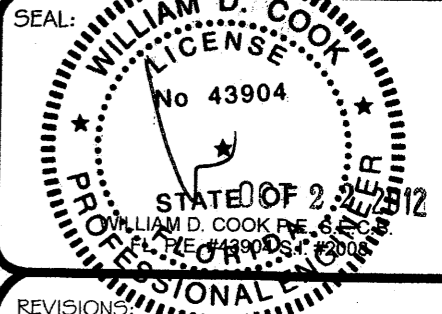


Approved as complying with the  
Florida Building Code  
Date Nov. 1, 2012  
NOA# 11-0525-01  
Miami Dade Product Control  
By Manuel Perez



CANADA  
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ENGINEER:  
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FORT LAUDERDALE, FL 33309  
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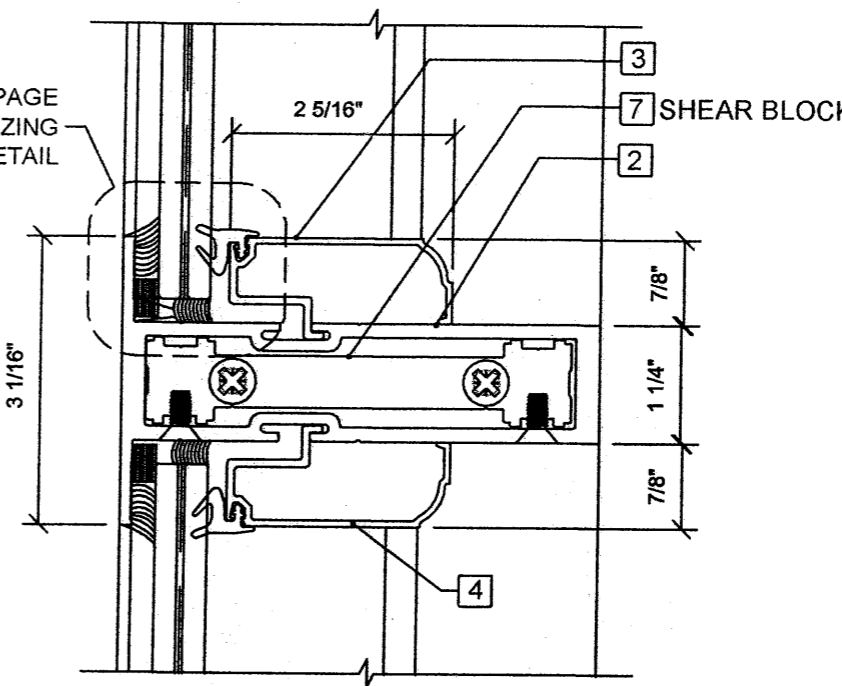
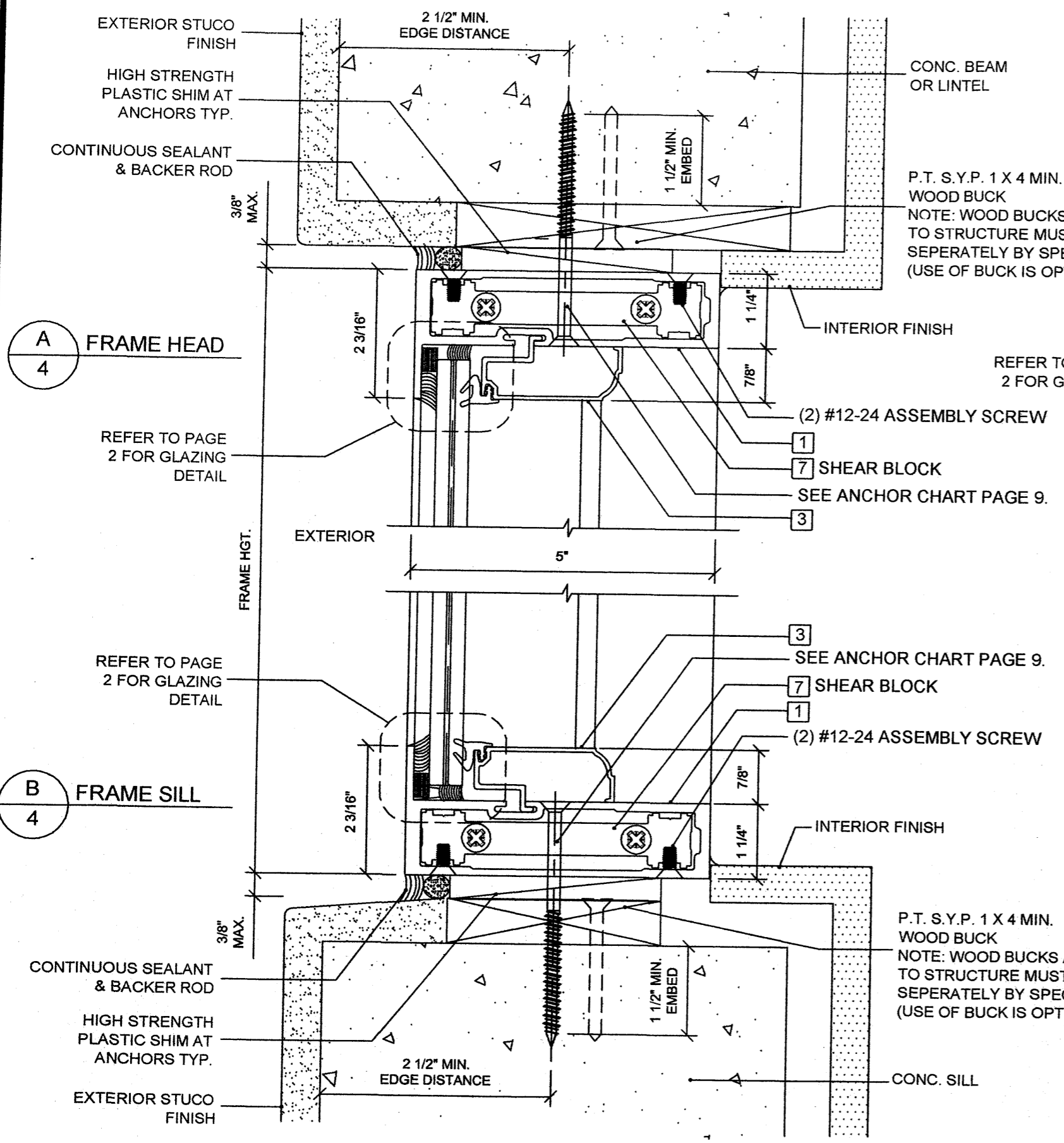


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PROJECT:  
**5200 SERIES ALUMINUM  
WINDOW WALL SYSTEM (L.M.I.)**

TITLE:  
**MULLION CAPACITY CHART  
MULLION TYPES**

|                  |                          |
|------------------|--------------------------|
| DRAWN BY:<br>MG  | VERIFY BY:               |
| DATE:<br>4/15/10 | DWG. NO.<br>5200_FIX-LMI |
| SCALE:<br>N.T.S. | SHEET NO.<br>3 OF 9      |



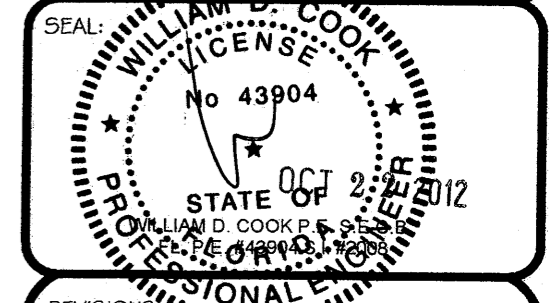
**C**  
4 HORIZONTAL MULLION

Approved as complying with the  
Florida Building Code  
Date Nov. 1, 2012  
NOA# 11-0525-01  
Miami Dade Product Control  
By Maxwell Perez



**FENEXPERT**  
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BOISBRIAND, QUEBEC, CANADA  
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ENGINEER:  
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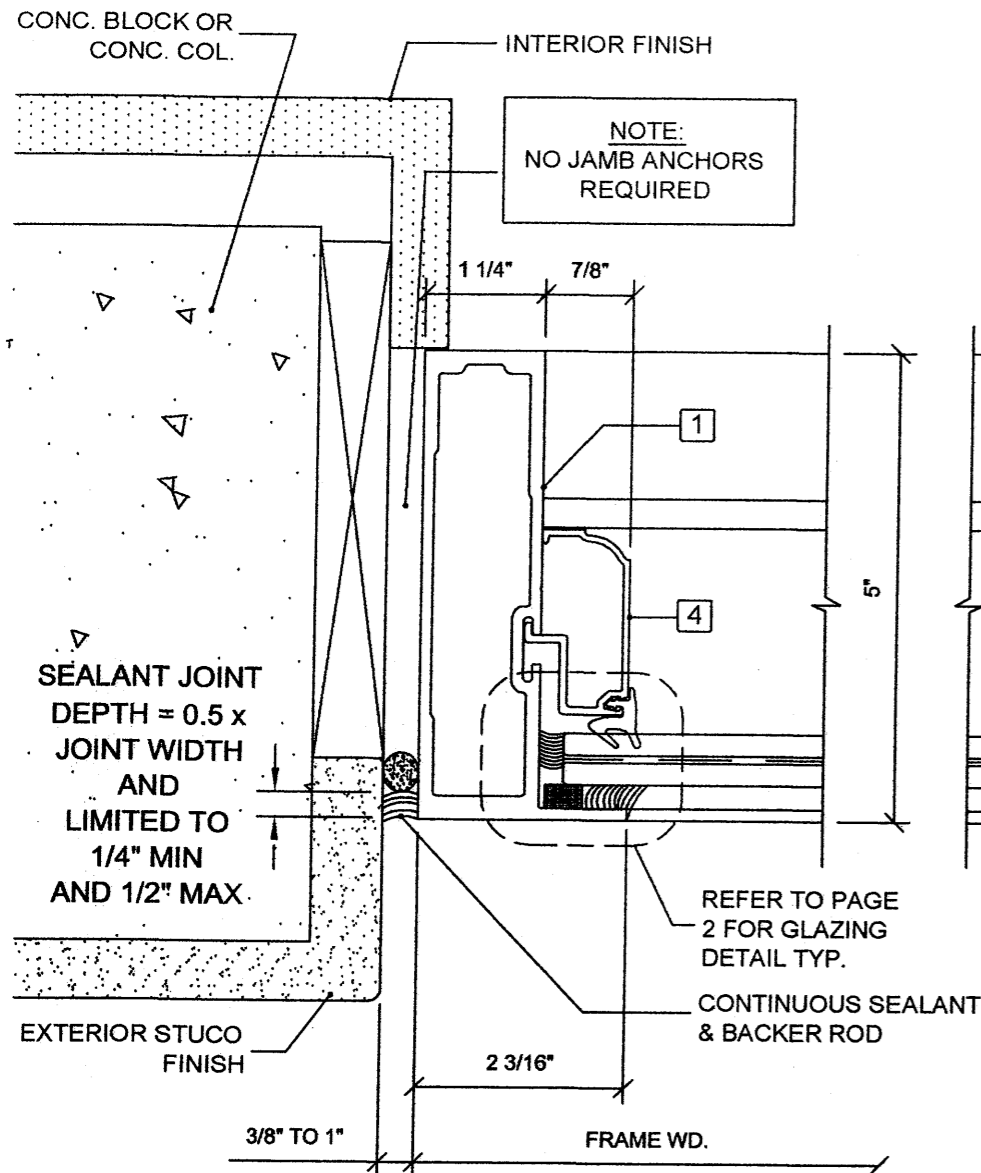
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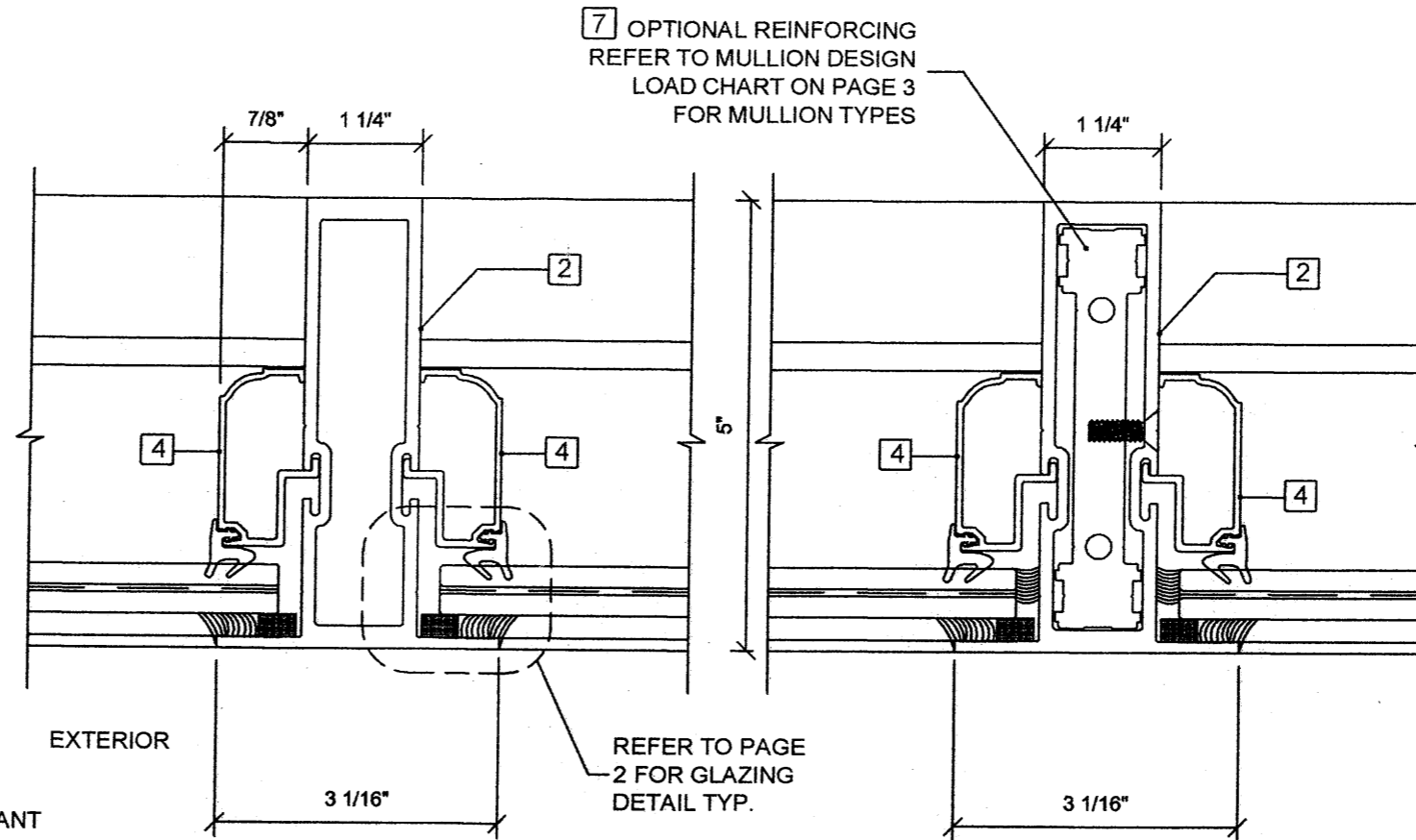
PROJECT:  
**5200 SERIES ALUMINUM WINDOW WALL SYSTEM (L.M.I.)**

TITLE:  
**DETAILS**

|                          |                                 |
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| DRAWN BY:<br><b>MG</b>   | VERIFY BY:                      |
| DATE:<br><b>4/15/10</b>  | DWG. NO.<br><b>5200_FIX-LMI</b> |
| SCALE:<br><b>1/2"=1"</b> | SHEET NO.<br><b>4 OF 9</b>      |



**D**  
5 FRAME JAMB



**E**  
5 VERTICAL MULLION W/O REINFORCING

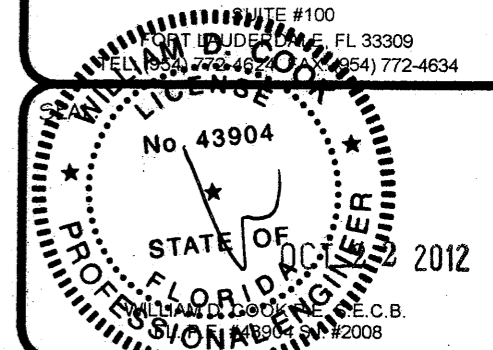
**F**  
5 VERTICAL MULLION W/ REINFORCING



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SUITE #100  
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TEL (954) 772-4634 FAX (954) 772-4634



REVISIONS:

| NO. | DATE: | DESCRIPTION: | BY: |
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PROJECT:

5200 SERIES ALUMINUM WINDOW WALL SYSTEM (L.M.I.)

TITLE:

DETAILS

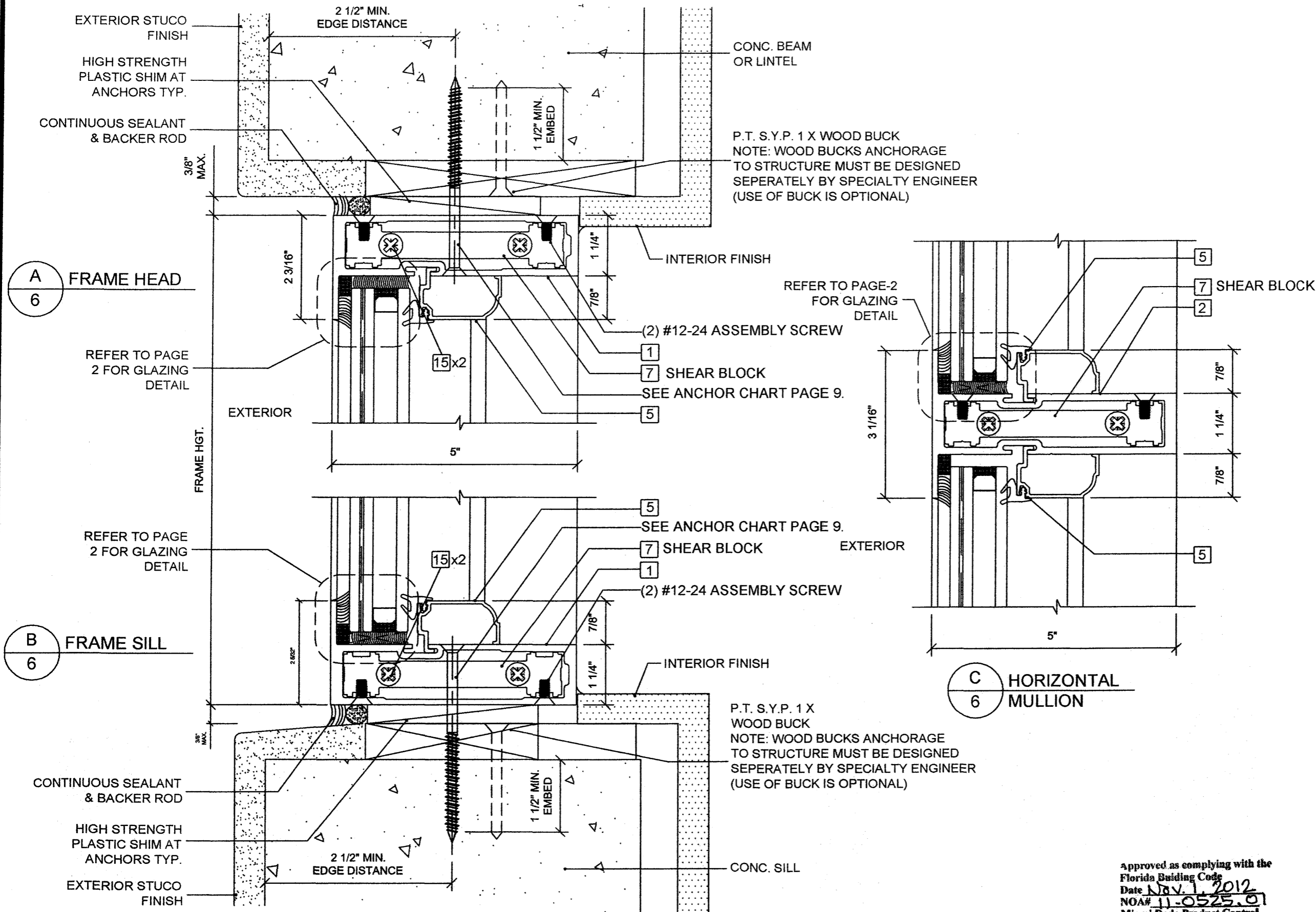
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| DRAWN BY:<br>MG   | VERIFY BY:               |
| DATE:<br>4/15/10  | DWG. NO.<br>5200_FIX-LMI |
| SCALE:<br>1/2"=1" | SHEET NO.<br>5 OF 9      |

**JAMB SEALANT NOTES:**

**PERIMETER SEALANT OPTIONS:**  
TREMCO SPECTREM II  
TREMCO DYMONIC  
DOW-CORNING 795 SILICONE

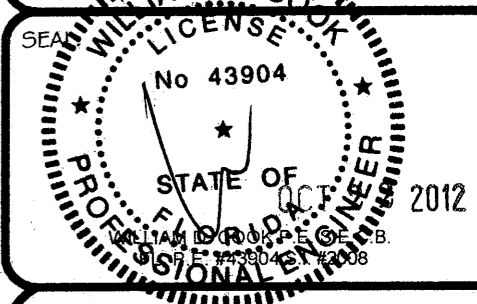
**ALTERNATE SEALANTS AND JAMB GAPS:**  
TO BE APPROVED BY DESIGN  
PROFESSIONAL OF RECORD AND  
SEALANT MANUFACTURER.

Approved as complying with the  
Florida Building Code  
Date Nov. 1, 2012  
NOA# 11-0525.01  
Miami Dade Product Control  
By Manuel Perez



CANADA  
4275 GRANDE- ALLÉE  
BOISBRIAND, QUEBEC, CANADA  
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e-mail: patrice.bergeron@verttechfenexpert.com

ENGINEER:  
**BROMLEY · COOK ENGINEERING, INC.**  
STRUCTURAL ENGINEERING SERVICES  
5440 N.W. 33rd AVENUE  
SUITE #100  
FORT LAUDERDALE, FL 33309  
TEL: (954) 772-4624 FAX: (954) 772-4634



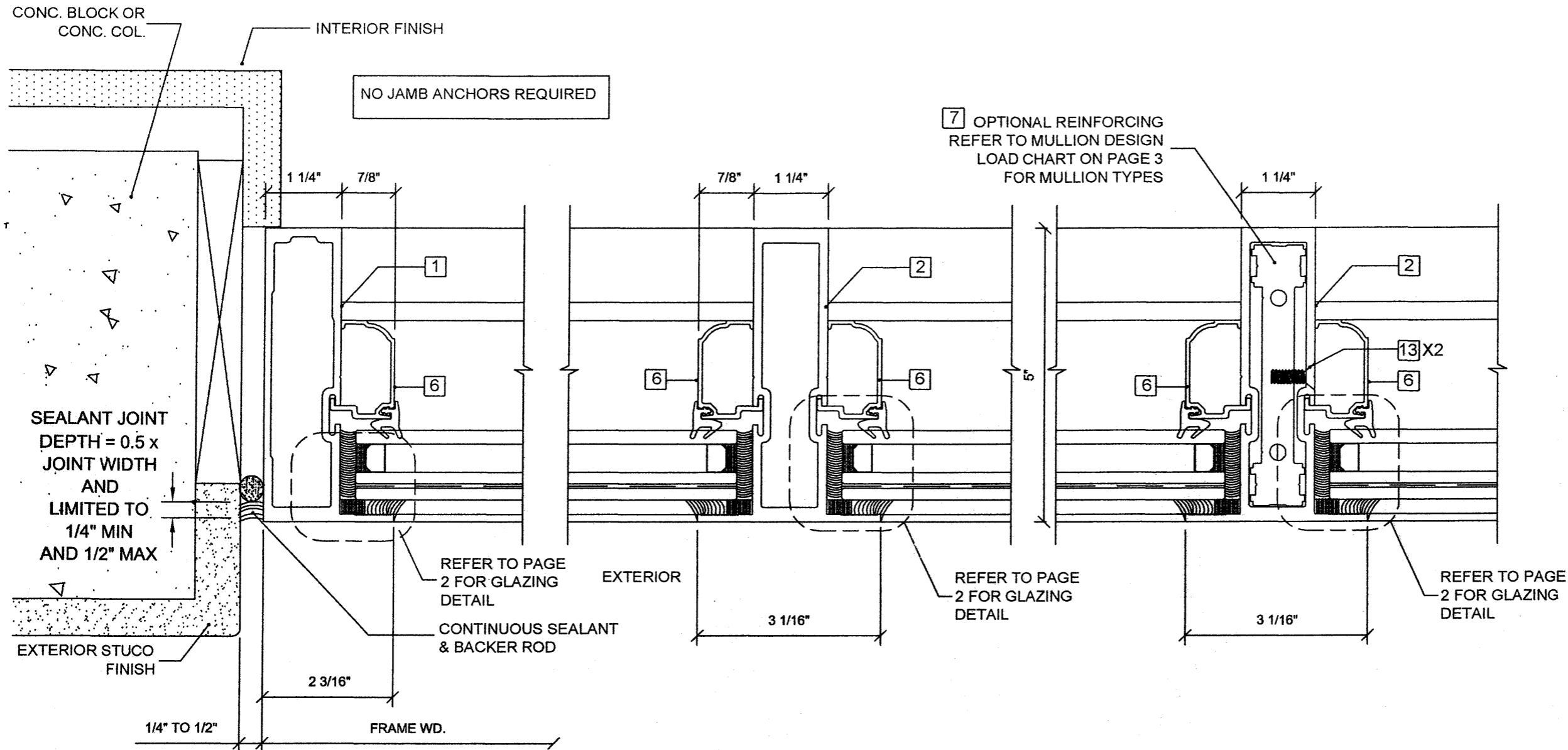
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|------------|-------|--------------|-----|
| NO.        | DATE: | DESCRIPTION: | BY: |
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|            |       |              |     |
|            |       |              |     |

PROJECT:  
**5200 SERIES ALUMINUM WINDOW WALL SYSTEM (L.M.I.)**

TITLE:  
**DETAILS**

Approved as complying with the  
Florida Building Code  
Date Nov. 1, 2012  
NOA# 11-0525-01  
Miami Dade Product Control  
By Marcus Perez

|                   |                          |
|-------------------|--------------------------|
| DRAWN BY:<br>MG   | VERIFY BY:               |
| DATE:<br>4/15/10  | DWG. NO.<br>5200_FIX-LMI |
| SCALE:<br>1/2"=1" | SHEET NO.<br>6 OF 9      |



**JAMB SEALANT NOTES:**

**PERIMETER SEALANT OPTIONS:**  
 TREMCO SPECTREM II  
 TREMCO DYMONIC  
 DOW-CORNING 795 SILICONE

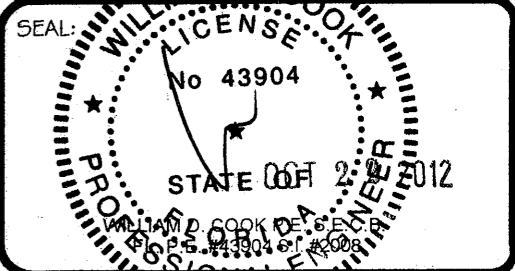
**ALTERNATE SEALANTS AND JAMB GAPS:**  
 TO BE APPROVED BY DESIGN  
 PROFESSIONAL OF RECORD AND  
 SEALANT MANUFACTURER.

Approved as complying with the  
 Florida Building Code  
 Date Nov 1, 2012  
 NOA# 11-0525.01  
 Miami Dade Product Control  
 By Manuel Perez



**FENEXPERT**  
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 FORT LAUDERDALE, FL 33309  
 TEL: (954) 772-1622 FAX: (954) 772-4634



REVISIONS:

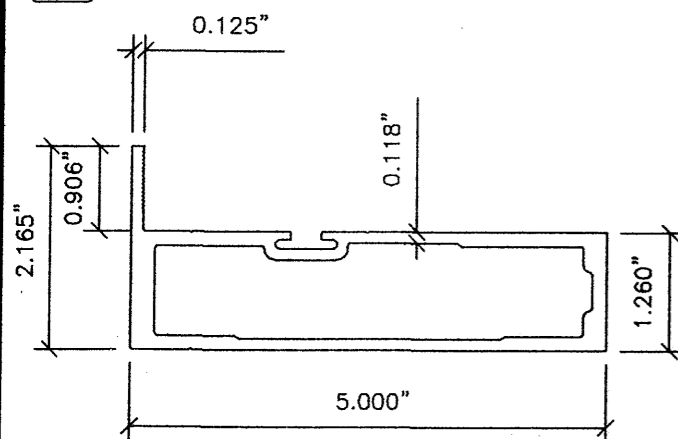
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|     |       |              |     |

PROJECT:  
**5200 SERIES ALUMINUM  
 WINDOW WALL SYSTEM (L.M.I.)**

TITLE:  
**DETAILS**

|                   |                          |
|-------------------|--------------------------|
| DRAWN BY:<br>MG   | VERIFY BY:               |
| DATE:<br>4/15/10  | DWG. NO.<br>5200_FIX-LMI |
| SCALE:<br>1/2"=1" | SHEET NO.<br>7 OF 9      |

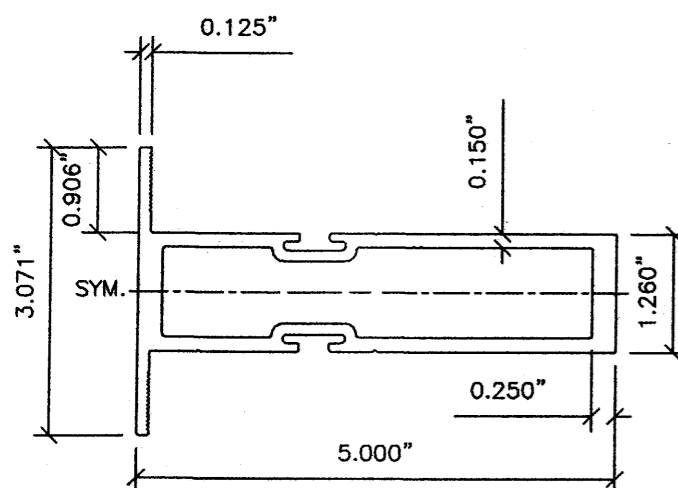
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6063-T54

# 5210 - MAIN FRAME HEAD / SILL / JAMB

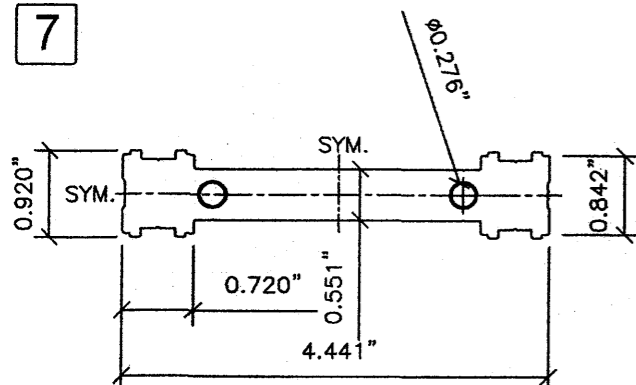
2



6063-T54

# 5215 - MULLION HORIZONTAL / VERTICAL

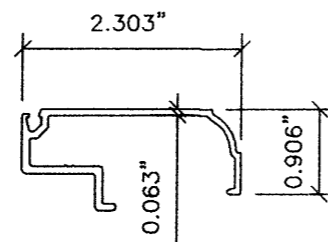
7



6063-T54

# 5201 - REINFORCEMENT / SHEAR BLOCK  
SHEAR BLOCK LENGTH = 1.157\"/>

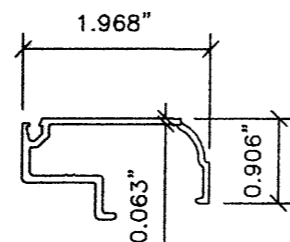
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6063-T54

# 5206 - HORIZONTAL GLASS STOP

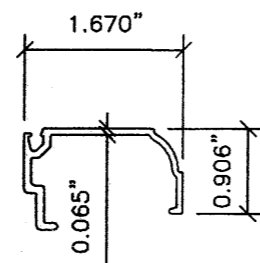
4



6063-T54

# 5205 - VERTICAL GLASS STOP

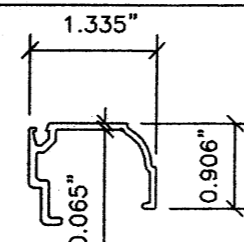
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6063-T54

# 5206 HORIZONTAL GLASS STOP

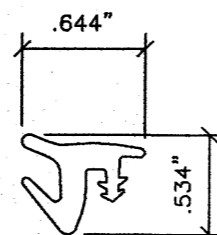
6



6063-T54

# 5206 HORIZONTAL GLASS STOP

8



EPDM

GLAZING GASKET #TR-8429E

## PARTS/MATERIALS LEGEND

| ITEM# | PART# | DESCRIPTION/MATERIAL                                    |
|-------|-------|---|
| 1     | 5210  | MAIN FRAME (HEAD, SILL & JAMB) 6063-T54 ALUM.           |
| 2     | 5215  | MAIN FRAME (VERTICAL/HORIZONTAL MULLION) 6063-T54 ALUM. |
| 3     | 5206  | GLASS STOP (HORIZONTAL 9/16\"/>                         |



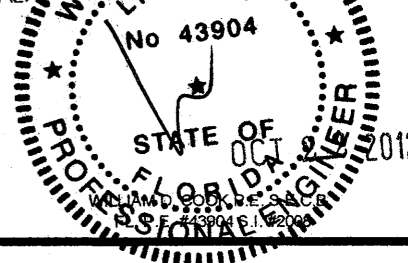
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SEAL:



PROJECT:

5200 SERIES ALUMINUM  
WINDOW WALL SYSTEM (L.M.I.)

TITLE:

FIXED WINDOW WALL SYSTEM  
BILL OF MATERIALS  
& EXTRUSIONS

Approved as complying with the  
Florida Building Code  
Date Nov. 1, 2012  
NOA# 11-0525.01  
Miami Dade Product Control  
By Manuel Perez

|                  |                          |
|------------------|--------------------------|
| DRAWN BY:<br>CG  | VERIFY BY:               |
| DATE:<br>4/15/10 | DWG. NO.<br>5200_FIX-LMI |
| SCALE:<br>1:2    | SHEET NO.<br>8 OF 9      |

| DESIGN<br>LOAD<br>RATING | ANCHOR CLUSTER LOAD CHART - PSF |            |            |            |            |
|--------------------------|---------------------------------|------------|------------|------------|------------|
|                          | FRAME SIZE                      |            | TYPE - "A" | TYPE - "B" | TYPE - "C" |
|                          | SUBSTRATE                       |            | CONCRETE   | METAL      | WOOD       |
|                          | WIDTH (W)                       | LENGTH (L) | (QTY.)     | (QTY.)     | (QTY.)     |
| P= +/-<br>130 PSF        | 40"                             | 120"       | 10         | 10         | 18         |
|                          | 48"                             |            | 12         | 12         | 22         |
|                          | 40"                             | 108"       | 8          | 8          | 18         |
|                          | 48"                             |            | 10         | 10         | 20         |
|                          | 40"                             | 103"       | 10         | 10         | 20         |
|                          | 48"                             |            | 12         | 10         | 24         |
|                          | 40"                             | 96"        | 8          | 8          | 18         |
|                          | 48"                             |            | 10         | 10         | 22         |
|                          | 40"                             | 84"        | 8          | 8          | 16         |
|                          | 48"                             |            | 10         | 10         | 20         |
| P= +/-<br>115 PSF        | 40"                             | 120"       | 8          | 8          | 16         |
|                          | 48"                             |            | 10         | 10         | 20         |
|                          | 40"                             | 108"       | 8          | 8          | 14         |
|                          | 48"                             |            | 8          | 8          | 18         |
|                          | 48"                             | 103"       | 8          | 8          | 16         |
|                          | 60"                             |            | 10         | 10         | 22         |
|                          | 48"                             | 96"        | 8          | 8          | 16         |
|                          | 60"                             |            | 10         | 10         | 20         |
|                          | 48"                             | 84"        | 8          | 8          | 14         |
|                          | 60"                             |            | 8          | 8          | 18         |
| P= +/-<br>100 PSF        | 36"                             | 120"       | 6          | 6          | 12         |
|                          | 40"                             |            | 8          | 8          | 16         |
|                          | 48"                             |            | 8          | 8          | 18         |
|                          | 36"                             | 108"       | 6          | 6          | 14         |
|                          | 40"                             |            | 6          | 6          | 14         |
|                          | 48"                             |            | 8          | 8          | 16         |
|                          | 40"                             | 103"       | 6          | 6          | 12         |
|                          | 48"                             |            | 8          | 8          | 14         |
|                          | 60"                             |            | 10         | 10         | 18         |
|                          | 48"                             | 96"        | 6          | 6          | 12         |
|                          | 48"                             |            | 8          | 8          | 14         |
|                          | 60"                             |            | 8          | 8          | 18         |
|                          | 40"                             | 84"        | 6          | 6          | 10         |
|                          | 48"                             |            | 6          | 6          | 12         |
|                          | 60"                             |            | 8          | 8          | 14         |

ANCHOR QUANTITIES = TOTAL NUMBER OF ANCHORS.  
INSTALL HALF ON EACH SIDE OF MULLION AS SHOWN ON  
ELEV. SHEET 1.  
JAMB MEMBERS RECIEVE HALF OF TOTAL NUMBER.

ANCHOR TYPE SCHEDULE:

THRU 1x BUCK OR DIRECTLY INTO GROUT FILLED CMU,  
OR 2700 PSI CONCRETE SUBSTRATE.

(A) USE: 1/4" DIA. RAWL TAPPER OR 1/4" DIA. HILTI KWIK CON II.  
EMBED 1 1/2" MIN. BEYOND STUCCO. Fu min=120 Ksi  
MIN. EDGE DIST= 2 1/2". MIN. SPACING = 2 1/4". Fy min= 92 Ksi

INTO 1/8" MIN. STEEL (A36) OR ALUMINUM (MIN. 6063-T5).

(B) USE: #14 ELCO DRILL-FLEX STRUCTURAL SELF DRILLING  
FASTENER. GRADE -5

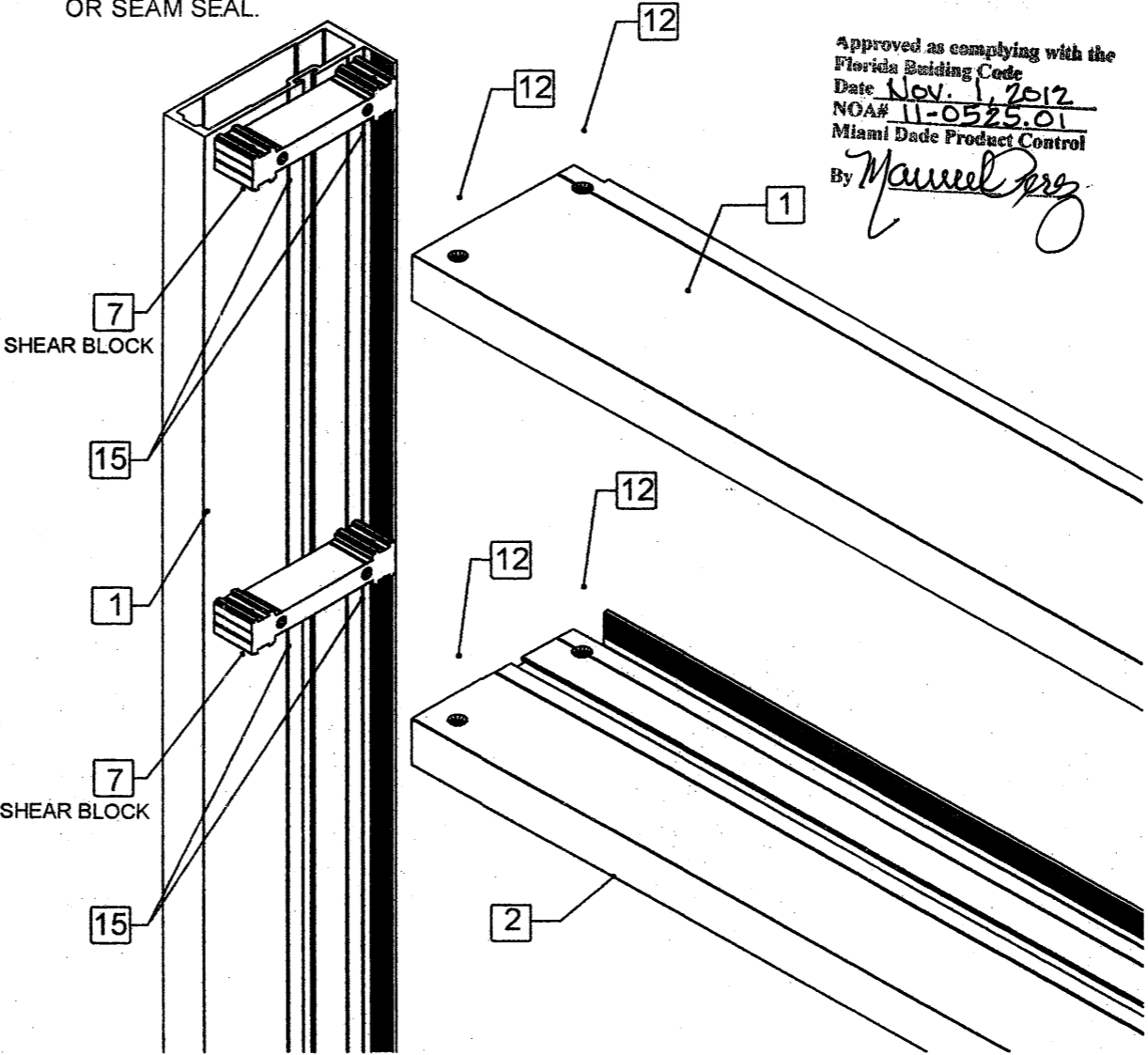
INTO NO-2 SYP WOOD FRAMING:

(C) USE: #14 SMS, WOOD SCREW OR TAPPER.  
EMBED 1 3/4" INTO BASE MATERIAL. Fu min=74 Ksi  
MIN. EDGE DIST= 1". MIN. SPACING = 1 1/2". Fy min= 57 Ksi

NOTE: ALL ANCHORS SHALL BE SHIMMED WITH HARD PLASTIC SHIMS.  
USE SHIMS WHERE GAP IS GREATER THAN 1/16".

SEALANT  
ALL JOINTS AND FRAME CONNECTIONS TO BE  
SEALED WITH SPECTREM 2 SILICONE.  
OR SEAM SEAL.

FRAME  
ASSEMBLY DETAIL

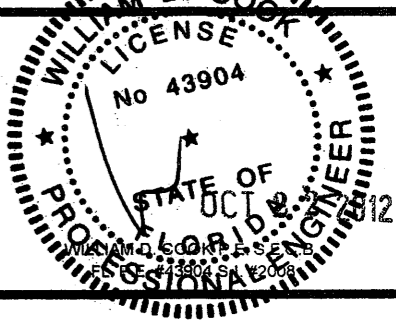


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SEAL:



PROJECT:

5200 SERIES ALUMINUM  
WINDOW WALL SYSTEM (L.M.I.)

TITLE:

ANCHOR TYPES & LOAD CHART  
FRAME ASSEMBLY DETAIL

DRAWN BY:

CG

VERIFY BY:

DATE:

4/15/10

DWG. NO.

5200\_FIX-LMI

SCALE:

NTS

SHEET NO.

9 OF 9